

## Product datasheet for **SC320273**

### IMPA2 (NM\_014214) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IMPA2 (NM_014214) Human Untagged Clone
Tag:	Tag Free
Symbol:	IMPA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_014214.1</p> <pre> CTGGCGGCGGGACGGCGGATCCGGTGGGAGCCGGAGTCCCGCCGAGGGGGCTGGAGGT GGAGGGGCCCGGCGAGGCCGCGATGAAGCCGAGCGCGAGACCAGGCGCGCTGGCGGC CGGCCCTGGGAGGAGTCTCCAGGCGCCGTGCACTGGCGCTGCGGGCAGGACAGAT CATCAGAAAAGCCCTTACTGAGGAAAAACGTGTCTCAACAAAAACATCAGCTGCAGATCT TGTGACAGAAACAGATCACCTTGTGGAAGATTTAATTATTTCTGAGTTGCGAGAGAGTT TCCTTCACACAGGTTTATTGCAGAAGAGGCCGCGGCTTCTGGGGCCAAGTGTGTGCTCAC CCACAGCCCGACGTGGATCATCGACCCCATCGACGGCACCTGCAATTTTGTGCACAGATT CCCGACTGTGGCGGTTAGCATTGGATTTGCTGTTGACAAGAGCTTGAATTCGGAGTGAT TTACCAGTGCACAGAGGAGCGGCTGTACACGGGCCGCGGGTTCGGGGCCCTTCTGCAA TGCCACGCGGCTCCGGTCTCCGGGAGACAGATCTCTCAAAGCCCTTGGTTCTGACAGA AATTGGCCCCAAACGTGACCCTGCGACCTGAAGCTGTTCTGAGTAACATGGAGCGGCT GCTGCATGCCAAGGCGCATGGGTCCGAGTGATTGGAAGCTCCACATTGGCACTTGCCA CCTGGCCTCAGGGGCCGCGGATGCCTATTACCAGTTTGGCCTGCACTGCTGGGATCTGGC GGCTGCCACAGTCATCATCAGAGAAGCAGGCGGCATCGTGATAGACACTTCGGGTGGACC CCTCGACCTCATGGCTTGCAGAGTGGTTGCGGCCAGCACCCGGGAGATGGCGATGCTCAT AGCTCAGGCCTTACAGACGATTAATAATGCGCGGATGATGAGAAGTGACTGCGGCTGAG GCAAAGCTGCTCCAAGGCCTCCCTGGGCTGCTGTGGGCTCCTGGGAGGTGGCCCTCGT GGCCACGCTCCATGCCAGTGGCTCACGCTCTGCTCCTGGCTACCCAGAGGGAGTTGTC ACGCTACAGTGAGTGGCTGGCCTTTTAAATCGAGTCTCTCTCACCAGGATTTGGTGTTT AGCTGTTTCTCTTTAATCTCACGTAGCCTTTTTCAGGTTAGTACGTGTTCTTCTGTCA GGGCCAAAACCTCAATCTCCTGTGAAATACGTATTGATAATCAAATCTTGATTTTTCCCC CCAGAATATAATCTCAGGTAATAAGGCTTTAGAACTGCTGATAAAGCGGATCGTTCTCA GGCCCTCCCCCGGAGTACTTCAGAAATGCAATAAATCAAATAATGGCAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_014214



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_014214.1</a></u> , <u><a href="#">NP_055029.1</a></u>
<b>RefSeq Size:</b>	1500 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	3613
<b>UniProt ID:</b>	<u><a href="#">Q14732</a></u>
<b>Cytogenetics:</b>	18p11.21
<b>Domains:</b>	inositol_P
<b>Protein Pathways:</b>	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
<b>Gene Summary:</b>	This locus encodes an inositol monophosphatase. The encoded protein catalyzes the dephosphorylation of inositol monophosphate and plays an important role in phosphatidylinositol signaling. This locus may be associated with susceptibility to bipolar disorder. [provided by RefSeq, Jan 2011]